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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/777,018	02/05/2001	Roger N. Hastings	5236-000215	5479
Harness, Dicke	7590 10/17/2007 v & Pierce	EXAMINER		
Suite 400			DIXON, ANNETTE FREDRICKA	
7700 Bonhomme St. Louis, MO 63105			ART UNIT	PAPER NUMBER
			3771	
			MAIL DATE	DELIVERY MODE
			10/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Services	09/777,018	HASTINGS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Annette F. Dixon	3771				
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR F WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 of after SIX (6) MONTHS from the mailing date of this communicati - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNION CFR 1.136(a). In no event, however, may a right ion.  period will apply and will expire SIX (6) MON a statute, cause the application to become AB	CATION. eply be timely filed  THS from the mailing date of this communication.  ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	12 July 2007.					
2a) This action is <b>FINAL</b> 2b) ⊠						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 34-44 is/are pending in the appl 4a) Of the above claim(s) is/are wi 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 34-44 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction.	thdrawn from consideration.					
Application Papers						
9) The specification is objected to by the Example 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the county of the oath or declaration is objected to by the specific sheet of the sp	☐ accepted or b)☐ objected to to the drawing(s) be held in abeyar correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:  1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International E * See the attached detailed Office action for	uments have been received.  uments have been received in A e priority documents have been Bureau (PCT Rule 17.2(a)).	application No received in this National Stage				
Attachment(s)						
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-93)</li> <li>Information Disclosure Statement(s) (PTO/SB/08)</li> <li>Paper No(s)/Mail Date</li> </ol>	48) Paper No(	Summary (PTO-413) s)/Mail Date nformal Patent Application				

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### **DETAILED ACTION**

1. This Office Action is in response to the Appeal Brief filed on July 12, 2007. Examiner acknowledges claims 34-44 are pending in this application, with claims 1-33 having been cancelled.

## Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 34-44 are rejected under 35 U.S.C. 102(e) as being anticipated by Gabriel (6,173,199).

As to Claims 34, 35, and 39, Gabriel discloses an atherectomy device comprising: a catheter (10) having a proximal end (the portion of the device closest to element 72) and a distal end (14) and a lumen (40) there between; a support structure (46) in the lumen adjacent to the distal end; one or more optical conduits (66) in the catheter (10), each having a distal end supported by the support structure (46); one or more magnetic members (44) disposed in the distal end (14) of the catheter whereby the distal end (14) is oriented by one or more magnetic members (44) that align relative to the direction of an externally applied magnetic field (via element 48); and wherein the

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one or more optical conduit (66) in the distal end are rotatable within the support structure. Regarding the optical conduit limitation, Gabriel discloses element 56 may provide an audio, visual or tactile indication to the user. (Column 6, Lines 49-53). Inherently, this visual indicator serves as an optical conduit. Further, Gabriel discloses the fiber optics may be utilized in the catheter. (Column 7, Lines 62-64). Regarding the rotatable limitation, Gabriel discloses the optical conduit (66) may be wrapped around the stylet (68) and the stylet (68) is removable from the catheter (10). (Column 7, Lines 20-34 and Column 9, Lines 13-14). Regarding the position of the support structure within the lumen, Gabriel discloses the lumen (40) and the support structure (46) are in fluid communication and the support structure (46) are within the lumen (40). (Figure 4 and Column 5, Line 42-45).

As to Claims 36 and 41, Gabriel discloses the magnetic members (44) are disposed within the support structure (46). (Figure 4).

As to Claim 37, Gabriel discloses the support structure (46) acts as a sheath for the catheter (10). (Figure 4).

As to Claims 38 and 40, Gabriel discloses the atherectomy device may be utilized for laser ablation. (Column 9, Lines 14-31).

As to Claim 42, Gabriel discloses the use of a guide wire (68) within the support structure (46).

As to Claim 43, Gabriel discloses the optical conduit (66) is connected to an optical imaging system, inherent to the ability of the conduit to select the position of the

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device, and at least one optical conduit (66) is connected to a remote optical laser energy source (58). (Column 7, Lines 62-64).

As to Claim 44, Gabriel discloses the fiber optics may be utilized in the catheter for selecting the position of the distal end of the catheter. (Column 7, Lines 62-64).

## Response to Arguments

Applicant's arguments, see Appeal Brief, filed July 12, 2007 with respect to the rejection(s) of claim(s) 34-44 under Ueda et al. (5,681,260) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Gabriel (6,173,199). Examiner apologies for any inconveniences incurred by the Applicant during the prosecution of this application.

### Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Linhares et al. (6,030,377) and Ben-Haim et al. (6,171,303).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Annette F. Dixon whose telephone number is (571) 272-3392. The examiner can normally be reached on Monday thru Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Annette F Dixon

Examiner Art Unit 3771

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700